	•	<del></del>		
•	0	(receiver with ((multiple or plural or dual) adj antenna\$1)) and ((pre adj2 filter) and (( multiple or dual or plural) adj fir adj filter\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/21 15:26
-	0	((pre adj2 filter) with (( multiple or dual or plural) adj fir adj filter\$1))	USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:24
	49	((pre adj2 filter) with ( fir adj filter\$1))	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:24
-	0	(375/347.ccls. and receiver with ((multiple or plural or dual) adj antenna\$1)) and ((pre adj2 filter) with ( fir adj filter\$1))	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:48
-	0	( ((pre adj2 filter) with ( fir adj filter\$1))) and (decision adj logic)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:48
-	26	( ((pre adj2 filter) with ( fir adj filter\$1))) and @ad<=19991008	DERWENT USPAT; US-PGPUB;	2003/10/21 13:34
-	O	(( ((pre adj2 filter) with ( fir adj filter\$1))) and @ad<=19991008) and receiverp	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/10/21 13:34
-	0	(( ((pre adj2 filter) with ( fir adj filter\$1))) and @ad<=19991008) and (receiver and ((multiple or plural or dual) adj antenna\$1))	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:48
-	2	(( ((pre adj2 filter) with ( fir adj filter\$1))) and @ad<=19991008) and (receiver and antenna\$1)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:46
-	0	(( ((pre adj2 filter) with ( fir adj filter\$1))) and @ad<=19991008) and ((multiple or plural or dual) adj antenna\$1)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/10/21 13:47
-	4	348/612.ccls. and (receiver and antenna\$1)	DERWENT USPAT; US-PGPUB;	2003/10/21 13:46
-	0	(348/612.ccls. and (receiver and antenna\$1)) and ((multiple or plural or	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/10/21 13:47
-	2899	dual) adj antenna\$1)  (receiver and ((multiple or plural or dual) adj antenna\$1))	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/10/21 14:32
			EPO; JPO; DERWENT	

-	0	( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and ((pre adj2 filter) with (	US-PGPUB;	13:53
		fir adj filter\$1))	EPO; JPO;	
			DERWENT	
-	3	(( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	13:49
İ		and @ad<=19991008	EPO; JPO;	
			DERWENT	
-	0	( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and ((pre adj2 filter) with (	US-PGPUB;	13:53
		decision adj logic))	EPO; JPO;	
			DERWENT	
-	4	((pre adj2 filter) with ( decision adj logic))	USPAT;	2003/10/21
-			US-PGPUB;	15:10
			EPO; JPO;	·
	•		DERWENT	
-	0	( ((pre adj2 filter) with ( decision adj logic)))	USPAT;	2003/10/21
		and (receiver and ((multiple or plural or	US-PGPUB;	14:17
		dual) adj antenna\$1))	EPO; JPO;	
			DERWENT	,
••	13	( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic)	US-PGPUB;	14:32
			EPO; JPO;	
			DERWENT	
-	0	(( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	15:25
		and (pre adj2 filter)	EPO; JPO;	
			DERWENT	·
•	8	(( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	14:35
·		and ( filter)	EPO; JPO;	·
			DERWENT	
•	8	((( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	14:32
		and ( filter)) and ((multiple or plural or	EPO; JPO;	
		dual) adj antenna\$1)	DERWENT	
•	1	(( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	15:08
		and ( fir adj filter)	EPO; JPO;	
		,	DERWENT	
•	0	(( (receiver and ((multiple or plural or dual)	USPAT;	2003/10/21
		adj antenna\$1))) and (decision adj logic))	US-PGPUB;	15:12
		and ( fir adj filter) and @ad<=19991008	EPO; JPO;	
		·	DERWENT	
•	0	((pre adj2 filter with (fir adj filter) ) with (	USPAT;	2003/10/21
•		decision adj logic))	US-PGPUB;	15:10
			EPO; JPO;	
			DERWENT	'
-	0	((pre adj2 filter with (fir adj filter) ) and (	USPAT;	2003/10/21
		decision adj logic))	US-PGPUB;	15:18
			EPO; JPO;	
			DERWENT	

•	0	375/349.ccls. and ((pre adj2 filter with (fir	USPAT;	2003/10/22
		adj filter) ) with ( decision adj logic))	US-PGPUB;	08:51
			EPO; JPO;	·
			DERWENT	
-	. 4	375/349.ccls. and ((pre adj2 filter))	USPAT;	2003/10/21
		5	US-PGPUB;	15:11
			EPO; JPO;	
		·	DERWENT	
•	4	(375/349.ccls. and ((pre adj2 filter)) ) and	USPAT;	2003/10/21
		receiver and @ad<=19991008	US-PGPUB;	15:12
			EPO; JPO;	
	, 1		DERWENT	
-	1	((375/349.ccls. and ((pre adj2 filter)) ) and	USPAT;	2003/10/21
		receiver and @ad<=19991008) and ( fir adj	US-PGPUB;	15:16
		filter)	EPO; JPO;	
			DERWENT	
-	6	158713.ap.	USPAT;	2003/10/21
			US-PGPUB;	15:17
			EPO; JPO;	
•		·	DERWENT	
_	0	60158713.ap.	USPAT;	2003/10/21
		СО 1001 (СПДР)	US-PGPUB;	15:17
			EPO; JPO;	10111
		,	DERWENT	
_	13	((pre adj2 filter and (fir adj filter) ) and (	USPAT;	2003/10/21
_		decision adj logic))	US-PGPUB;	15:18
			EPO; JPO;	
			DERWENT	
_	1 1	( ((pre adj2 filter and (fir adj filter) ) and (	USPAT;	2003/10/21
_	•	decision adj logic))) and @ad<=19991008	US-PGPUB;	15:22
		and receiver	EPO; JPO;	
		ana reservei	DERWENT	
_	2	( ((( (receiver and ((multiple or plural or	USPAT;	2003/10/21
_	_	dual) adj antenna\$1))) and (decision adj	US-PGPUB;	15:22
		logic)) and (filter)) and ((multiple or plural	EPO; JPO;	13.22
		or dual) adj antenna\$1)) and	DERWENT	
		@ad<=19991008 and receiver		•
-	0	(((( (receiver and ((multiple or plural or	USPAT;	2003/10/21
	'	dual) adj antenna\$1))) and (decision adj	US-PGPUB;	15:25
		logic)) and (filter)) and ((multiple or plural	EPO; JPO;	
		or dual) adj antenna\$1)) and (pre adj2 filter)	DERWENT	
-	0	( ((pre adj2 filter) and (( multiple or dual or	USPAT;	2003/10/21
		plural) adj fir adj filter\$1))) and	US-PGPUB;	15:27
		@ad<=19991008	EPO; JPO;	
			DERWENT	
•	9	((pre adj2 filter) and (( multiple or dual or	USPAT;	2003/10/21
		plural) adj fir adj filter\$1))	US-PGPUB;	15:29
		,,, + -//	EPO; JPO;	
			DERWENT	
_	. 0	"4561012" and ((multiple or plural or dual)	USPAT;	2003/10/21
			1	1
_		adi antenna\$1)	US-PGPUB:	15:31
		adj antenna\$1)	US-PGPUB; EPO; JPO;	15:31

Search History 10/22/03 3:15:48 PM Page 5

•	0	358/11.ccls. and ((multiple or plural or	USPAT;	2003/10/21
		dual) adj antenna\$1)	US-PGPUB;	15:33
			EPO; JPO;	
			DERWENT	
•	12	"4561012"	USPAT;	2003/10/21
			US-PGPUB;	15:32
			EPO; JPO;	
		·	DERWENT	
_	0	( (375/347.ccis. and receiver with ((multiple	USPAT;	2003/10/21
_		or plural or dual) adj antenna\$1)) and ((pre	US-PGPUB;	15:34
		adj2 filter) with ( fir adj filter\$1))) and (	EPO; JPO;	15:54
		antenna\$1)	DERWENT	
		The state of the s		2002/40/04
-	1	"4561012" and ( antenna\$1)	USPAT;	2003/10/21
			US-PGPUB;	15:34
			EPO; JPO;	
			DERWENT	
•	23	375/349.ccls. and (antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver	US-PGPUB;	10:13
			EPO; JPO;	
			DERWENT	
-	16	(375/349.ccls. and (antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver ) and @ad<=19991008	US-PGPUB;	08:52
			EPO; JPO;	
			DERWENT	
-	1	375/349.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB;	10:14
		logic))	EPO; JPO;	
•			DERWENT	
-	O	375/349.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB;	10:14
•		logic)) and @ad<=19991008	EPO; JPO;	·
			DERWENT	
-	0	375.ccls. and ((antenna\$1) and (fir adj	USPAT;	2003/10/22
		filter\$1) and receiver and (decision adj	US-PGPUB;	10:14
		logic)) and @ad<=19991008	EPO; JPO;	
	,		DERWENT	
_	. 0	( ((antenna\$1) and (fir adj filter\$1) and	USPAT;	2003/10/22
		receiver and (decision adj logic)) and	US-PGPUB;	10:14
		@ad<=19991008) and (pre adj2 filter\$1)	EPO; JPO;	
			DERWENT	
	4	((antenna\$1) and (fir adj filter\$1) and	USPAT;	2003/10/22
	•	receiver and (decision adj logic)) and	US-PGPUB;	10:40
		@ad<=19991008	EPO; JPO;	10.40
			DERWENT	
•	328	(equalizer) and (antenna\$1) and (digital adj	USPAT;	2003/10/22
	523	radio)	US-PGPUB;	10:40
		·	EPO; JPO;	,
			DERWENT	
_	105	((equalizer) and (antenna\$1) and (digital adj	USPAT;	2003/10/22
	103	radio)) and receiver and logic	US-PGPUB;	10:41
		radio)) and receiver and logic	EPO; JPO;	10.71
			1 -	
L	l		DERWENT	L

•	105	((equalizer) and (antenna\$1) and (digital adj radio)) and (receiver and logic)	USPAT; US-PGPUB;	2003/10/22 10:41
			EPO; JPO; DERWENT	
	89	(((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	11:42
		@ad<=19991008	EPO; JPO;	
		<b>G</b>	DERWENT	
-	31	((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	10:41
		@ad<=19991008) and (fir adj filter\$1)	EPO; JPO;	,
			DERWENT	
-	31	(((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	11:59
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	,
	22	sampl\$3	DERWENT	2002/40/02
<del>-</del>	22	((((((equalizer) and (antenna\$1) and (digital adj radio)) and (receiver and logic)) and	USPAT; US-PGPUB;	2003/10/22 11:34
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	11:34
		sampl\$3 ) and processor	DERWENT	·
_	2	(((((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
	:	adj radio)) and (receiver and logic)) and	US-PGPUB;	12:00
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	
		sampl\$3 ) and processor) and ((sampl\$3 adj	DERWENT	
		rate) with (symbol adj rate))		
-	22	((((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and (receiver and logic)) and	US-PGPUB;	11:34
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	
	22	sampl\$3 ) and processor and antenna\$1	DERWENT	2003/10/22
•	22	((((((equalizer) and (antenna\$1) and (digital adj radio)) and (receiver and logic)) and	USPAT; US-PGPUB;	11:34
		@ad<=19991008) and (fir adj filter\$1)) and	EPO; JPO;	11104
		sampl\$3 ) and (processor and antenna\$1)	DERWENT	
	257	((equalizer) and (antenna\$1) and (digital adj	USPAT;	2003/10/22
		radio)) and @ad<=19991008	US-PGPUB;	11:42
			EPO; JPO;	
			DERWENT	
-	170	(((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
		adj radio)) and @ad<=19991008) and	US-PGPUB;	11:42
		sampl\$3	EPO; JPO; DERWENT	·
	23	((((equalizer) and (antenna\$1) and (digital	USPAT;	2003/10/22
_	23	adj radio)) and @ad<=19991008) and	US-PGPUB;	11:58
		sampl\$3 ) and ((sampl\$3 adj rate) with	EPO; JPO;	
		(symbol adj rate))	DERWENT	
-	90911	receiver and antenna\$1	USPAT;	2003/10/22
			US-PGPUB;	12:05
			EPO; JPO;	
			DERWENT	
•	2295	(receiver and antenna\$1) and equalizer	USPAT;	2003/10/22
			US-PGPUB;	11:58
			EPO; JPO;	
<u></u>			DERWENT	

Search History 10/22/03 3:15:48 PM Page 7

•	309	((receiver and antenna\$1) and equalizer) and (fir adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:06
-	285	(((receiver and antenna\$1) and equalizer) and (fir adj filter)) and sampl\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 11:59
•	285	((((receiver and antenna\$1) and equalizer) and (fir adj filter)) and sampl\$3 ) and ad<=19991008	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:00
•	61	(((((receiver and antenna\$1) and equalizer) and (fir adj filter)) and sampl\$3 ) and ad<=19991008) and (digital adj radio)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:05
-	17	((((((receiver and antenna\$1) and equalizer) and (fir adj filter)) and sampl\$3 ) and ad<=19991008) and (digital adj radio)) and ((sampl\$3 adj rate) with (symbol adj rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:02
<b>-</b>	50	((((((receiver and antenna\$1) and equalizer) and (fir adj filter)) and sampl\$3 ) and ad<=19991008) and ((sampl\$3 adj rate) with (symbol adj rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:02
•	2899	receiver and ((multiple or plural or dual) adj antenna\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:05
-	107	(receiver and ((multiple or plural or dual) adj antenna\$1)) and (digital adj radio)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:05
-	17	((receiver and ((multiple or plural or dual) adj antenna\$1)) and (digital adj radio)) and (fir adj filter)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 12:09
<b>-</b>	10	(((receiver and ((multiple or plural or dual) adj antenna\$1)) and (digital adj radio)) and (fir adj filter)) and equalizer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/10/22 13:14
	1	1	l	l

(((receiver and ((multiple or plural or dual)

adj antenna\$1)) and (digital adj radio)) and

(fir adj filter\$1)) and equalizer

USPAT;

**US-PGPUB**;

EPO; JPO; DERWENT 2003/10/22

12:09